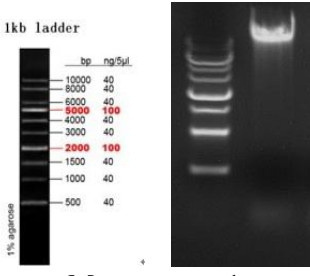


# CERTIFICATE OF ANALYSIS

## General information

Name	bTMB-P1(22.91) Reference Standard_Tumor
Catalog No.	CBP80001-10
Lot No.	CGD05258419
Format	ctDNA (Enzyme digestion)
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Mar.-16-2021
Expiry	36 months from the date of manufacture

## Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD260/OD280	1.75~1.9	1.79	√
DNA electrophoresis	No Degradation	 <p>           1kb ladder            bp ng/5ul            10000 40            8000 40            6000 40            5000 100            4000 40            3000 40            2000 100            1500 40            1000 40            500 40            1% agarose            M 1            M: Marker            1: bTMB-P1(22.91) Reference Standard Tumor         </p>	√
TMB Value	500x WES	22.94(Pair)-cut off 1% 22.91(Pair)-cut off 2% 21.90(Pair)-cut off 3% 21.48(Pair)-cut off 4% 21.27(Pair)-cut off 5%	√

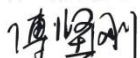
For detail data of WES, please contact us.

### Caution:

For research use only.

If you have any questions about the Certificate of Analysis, please contact us.

Certified by:  Date: \*\*\*\*

 Date: \*\*\*\*